

Course Outline

AppDynamics Course APPDYN: 3 days Instructor Led

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About this course

Cisco AppDynamics a real-time business application performance management platform, built to ensure that enterprise apps always meet customer and employee needs while delivering business value. This 3-day course covers a comprehensive topic list covering the key aspects of AppDynamics deployment and use. You will discover faster, more efficient monitoring with an enterprise Application Performance Management (APM) solution that learns your apps. By understanding End-User monitoring, students can create superior experiences by monitoring where customers are connecting with your business the most. The topic of Infrastructure visibility and observability enables students to monitor the servers and databases critical to supporting application performance.

Audience profile

- Field Engineers
- Solutions Architects
- Systems Engineers
- Systems Administrators

At course completion

After completing this course, students will be able to:

- Explain the benefits and use cases for Cisco AppDynamics
- Successfully deploy and use AppDynamics
- Use AppDynamics to Monitor Applications
- Analyze End-User Monitoring
- Use Server Monitoring
- Understand Application Analytics
- Troubleshoot Performance Issues

Course Outline

Module 1: AppDynamics Platform Components

- AppDynamics Enterprise Console
- Controller Software Engine
- Events Service Module
- End User Monitoring Server

Module 2: Basics of AppDynamics

- AppDynamics and APM
- Enterprise Topology
- Main Application Dashboard
- Business Transactions Statistics

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Module 3: Application Health Monitoring

- Service Endpoints and Information Points
- Introduction to the Alert and Respond Model
- Metrics and Baselines
- Health and Monitoring Rules
- Events
- Actions and Policies
- Custom Dashboards

Module 4: Real User Monitoring

- Introduction to End User Monitoring
- Browser Real User Monitoring
- BRUM Monitoring
- Configuration
- Basic Troubleshooting

Module 5: Database Visibility and Monitoring

- Understanding the Value of Data Visibility
- Implementing Database Visibility
- Troubleshooting a Slow Transaction in APM
- Navigating the Database Visibility UI
- Troubleshooting a Slow Query in Database Visibility
- Troubleshooting an Idle Session in Database Visibility
- Troubleshooting Wait States

Module 6: Business Insight Analytics

- APM Review
- What is Business iQ
- Business iQ Data
- Steps to Using Business iQ
- Analytics Searches
- Analytics Visualizations
- Analytics Metrics and Health Rules
- Custom Data Sources
- Transaction Data Collection
- Log Data Collection

Lab Outline:

Labs are designed to assure learners a whole practical experience, through the following practical activities:

Lab 1: AppDynamics Controller Implementation

Lab 2: AppDynamics Application Server Implementation

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Lab 3: Application Deployment and Monitoring

Lab 4: Server Visibility Monitoring

Lab 5: Browser Real User Monitoring

Lab 6: Database Visibility Monitoring

Lab 7: Business Insight Analytics